

● PRINTER RUSH ●
(PTO ASSISTANCE)

Application :	10/698,579	Examiner :	Price
From:	MR	Location:	IDC FMF FDC
		Date:	10-14-05
		Tracking #:	06102555
		Week Date:	05-09-05

DOC CODE	DOC DATE	MISCELLANEOUS
<input type="checkbox"/> 1449		<input type="checkbox"/> Continuing Data
<input type="checkbox"/> IDS		<input type="checkbox"/> Foreign Priority
<input type="checkbox"/> CLM		<input type="checkbox"/> Document Legibility
<input type="checkbox"/> IIFW		<input type="checkbox"/> Fees
<input type="checkbox"/> SRFW		<input type="checkbox"/> Other
<input type="checkbox"/> DRW		
<input type="checkbox"/> OATH		
<input type="checkbox"/> 312		
<input checked="" type="checkbox"/> SPEC	10-31-03	

[RUSH] MESSAGE: Table 11 on specification pg. no. 51 (10-31-03)
 has some illegible data same as table 21 on
 pg. 75.

Please resolve.

Thank you,
 MR

[XRUSH] RESPONSE:
See misc comp
Done
INITIALS: <i>gfb</i>

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.
 REV 10/04



PATENTS ■ TRADEMARKS ■ COPYRIGHTS

601 W. 1st Avenue, Suite 1300
Spokane, WA 99201-3828
(509) 624-4276
FAX (509) 838-3424
www.wellsstjohn.com

FACSIMILE COVER PAGE

TO: Rori Burch **FAX NO:** (703) 746-6830
USPTO Publishing Division

FROM: Susan Schwarz **NO. OF PAGES:** 5, including cover
Assistant to Robert C. Hyta

DATE: November 7, 2005 **Application No.:** 10/698,579

Atty. Docket No.: PC3-058

SUBJECT/MESSAGE:

Ms. Burch,

Accompanying this fax is copy of office communication dated 10/28/05, along with our best copies of pages 51 and 75 of the Application. If these copies are not of sufficient quality, we would be happy to scan the copies and email them to you. If so desired, please advise and provide us with your email address.

Thank you,
Susan Schwarz
sschwarz@wellsstjohn.com

CONFIDENTIALITY NOTICE

This facsimile transmission (and/or the documents accompanying it) may contain confidential information that is privileged, confidential or exempt from disclosure under federal or state law. The information is intended only for the use of the individual or entity named above. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or the taking of any action in reliance on the contents of this information is strictly prohibited. If you have received this transmission in error, please call our office collect at (509)624-4276 immediately to arrange for the return of the documents. Thank you.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/698,579	10/31/2003	Yuichi Iikubo	PC3-058	1655
21567	7590	10/28/2005	EXAMINER	
WELLS ST. JOHN P.S. 601 W. FIRST AVENUE, SUITE 1300 SPOKANE, WA 99201				PRICE, ELVIS O
ART UNIT		PAPER NUMBER		
		1621		

DATE MAILED: 10/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

CBV18038

**UNITED STATES PATENT AND TRADEMARK OFFICE**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Serial Number
10698579

Date Mailed
10/28/05

NOTICE TO FILE CORRECTED APPLICATION PAPERS**Notice of Allowance Mailed**

This application has been accorded an Allowance Date and is being prepared for issuance. The application, however, is incomplete for the reasons below.

Applicant is given 30 days from the mail date of this Notice within which to correct the informalities indicated below. A failure to reply will result in the application being ABANDONED. This period for reply is NOT extendable under 37 CFR 1.136 (a) or (b).

- Specification---pages 51 and 75 contain illegible data in table.

APPLICANT MUST SUPPLY MISSING INFORMATION WITHIN 30 DAYS OF THE MAIL DATE OF THIS NOTICE.

A copy of this notice MUST be returned with the reply. Please address response to Commissioner for Patents P.O. Box 1450
Alexandria, VA 22313-1450

Ron Burch
USPTO
Publishing Division
Fax (703) 746-6830
Fax (703) 308-6642
CIR 703/305/0333 ext 135 (V)

GRLK-003
Express Mail No. EF 227536067 US

TABLE 11. C₃Cl₆F₆ to CFC-217Ba with Different Catalyst Systems

Catalyst	Temp.(C)	Contact Time (sec)	Mole Ratio C ₃ Cl ₆ F ₆	Conversion CFC-217Ba	Selectivity to CFC-13	RESULTS % GC Area				
						CFC-218	CFC-217Ba	CFC-115	CRC-217Ba	CFC-216Ba
NiCl ₂ /ZnCl ₂ /AC*	300	27.7	3.2	20.1	1.7	0.08	0.01	0.34	1.01	71.89
	400	29.6	3	46.5	8.6	18.25	3.81	0.16	3.97	6.81
	450	18.9	5.3	43.9	85	0.64	0.01	0.07	8.72	0.86
Activated Carbon	400	19.7	5.7	42.4	64.5	0.34	0.03	0.22	33.23	0.61
	450	18.4	5.3	28.7	77.1	0.60	0.03	0.05	17.02	0.50
	480	10.1	5	56.6	90.7	0.81	0.38	0.36	51.23	0.89
ZnCl ₂ /AC	300	10.4	6.5	21.0	3.3	0.01	0.00	0.01	0.69	0.64
	400	19.1	4.2	21.8	51.6	0.13	0.01	0.13	11.22	0.67
	450	9.2	5.2	14.6	55.7	0.81	0.00	0.09	6.67	0.61
2% FeCl ₃ /AC	480	19.6	5	73.3	91.6	1.24	0.39	0.69	59.86	0.68
	400	11.2	6.2	87.6	86.7	0.79	3.74	0.17	70.89	0.35
	450	10.3	6.2	99.9	35.5	6.88	6.69	1.92	64.62	6.88
6% FeCl ₃ /AC	300	10.6	6.5	15.3	5.7	0.02	0.00	0.00	0.90	0.49
	400	19.5	4.2	38.9	74.3	0.16	0.02	0.10	16.08	0.52
	450	19.5	4	48.4	86.2	0.61	0.16	0.29	35.58	0.60
CrCl ₃ /AC	480	19.7	5	89.5	88.4	1.46	0.97	0.76	71.05	0.88
	300	10.5	6.5	52.1	5	0.05	0.00	0.04	2.05	1.63
	400	20.0	5.7	34.5	71.2	0.44	0.04	0.42	29.85	3.27
KF / AC	450	18.9	4	66.4	84.6	0.60	0.13	0.34	39.81	1.53
	480	18.8	3.8	74.2	84.4	1.81	0.47	0.77	58.97	1.27
	400	19.6	4.2	19.6	34.6	0.23	0.01	0.09	15.10	0.21
Chrome Gel ®*	450	19.6	4	84.3	63.7	1.46	0.40	0.46	77.18	0.55
	480	19.4	5	79.2	68.4	1.94	1.56	0.66	75.04	0.87
	400	16.1	2.5	35.2	36.75	3.46	0.07	2.39	12.93	n/d
Chrome Gel ®**	480	18.98	9.5	85.94	84.2	n/d	4.07	0.20	72.36	n/d

GRLK-003
Express Mail No. EF 227536067 US

11/07/2005 12:56 FAX 5098383424

WELLS ST JOHN PS

005/005

Table 21. Selective Chlorination of HFC-227ea

Starting Material % Composition: CFC-227ea 99.8678 CFC-227ca 0.0749		Results (%)			
Activated Carbon	Reaction Conditions		Cl2/HFC-227 Molar	Conversion	Selectivity CFC-227ca CFC-217ca
	Reactor Temperature (C)	Contact Time (s)			
250	13.3	2.01		24.49	98.85 0.0628
300	12.8	1.81		54.46	98.91 0.064
325	11.9	1.48		48.15	96.78 0.0744
325	21.9	2.69		98.91	97.91 n/d*
350	13.2	1.97		65.51	96.2 0.0548
325	22.3	2.91		98.14	98.25 0.0653
325	38.5	0.16		3.23	71.21 0.0981
200				44.81	96.51 0.055
300		0.55			0.0701 0.0211
Starting Material % Composition: CFC-227ea 99.5013 CFC-227ca 0.1411					
Reaction Conditions		Results (%)			
Activated Carbon	Reactor Temperature (C)	Contact Time (s)	Cl2/HFC-227 Molar	Conversion	Selectivity CFC-227ca CFC-217ca
	300	16.3	0.174692697	18.3	96.8 0.1255
300	15.8	0.34		46.8	98.6 0.0899
300	14.8	0.328435145		55.6	98.5 0.0829
300	26.9	0.84		79.2	98.7 0.0341
(*n/d = non-detectable)					